Therapeutic Area #2		Renal Disease	
	Metabolic/endocri	Metabolic/endocri	Metabolic/endocri ne/cardiovascular
Map Location		f 1p36 1	. 21
Allele Freq. (pred.)	deletton or 10bp in 3 of 11	good 10 of 20	good 2 of 9
p value	4 60E-246		
	Human Gene SPTREMBL-ID Q60437 INSULIN RECEPTOR TYROSINE KINASE 53 KDA SUBSTRATE - UNKNOWN, 521 aa	Human Gene SWISSNEW-ID P37088 AMILORIDE-SENSITIVE SODIUM CHANNEL ALPHA-SUBUNIT (LUNG NA+ CHANNEL ALPHA SUBUNIT) (ALPHA ENAC) (NONVOLTAGE-GATED SODIUM CHANNEL 1 ALPHA SUBUNIT) (SCNEA) (ALPHA NACH) - HOMO SAPIENS (HUMAN), 669 aa ipcls SWISSPROT-ID P37088 AMILORIDE-SENSITIVE SODIUM CHANNEL ALPHA-SUBUNIT (LUNG NA+ CHANNEL ALPHA SUBUNIT) (ALPHA ENAC) (NONVOLTAGE-GATED SODIUM CHANNEL 1 ALPHA SUBUNIT) (SCNEA) (ALPHA NACH) - HOMO SAPIENS (HUMAN), 669 aa ipcls TREMBLNEW-ID E308262 AMILORIDE-SENSITIVE EPITHELIAL SODIUM CHANNEL ALPHA SUBUNIT - HOMO SAPIENS (HUMAN), 669 aa (HUMAN), 669 aa	Human Gene SWISSPROT-ID P17858 6- PHOSPHOFRUCTOKINASE, LIVER TYPE (EC 2 7 1 11) (PHOSPHOFRUCTOKINASE 1) (PHOSPHOHEXOKINASE) (PHOSPHOFRUCTO-1-KINASE ISOZYME B) - HOMO SAPIENS (HUMAN), 780 aa
Protein classification of CuraGen gene	kınase receptor	misc_channel	kınase
Type of Change	U	Coding	CONSERV
Amino Acid after	Lys		Vai
Amino Acid before			Ala
Base	TATCT GAGT G(2)	G (4)	C (6)
Base before	gap (1)	gap (3)	T (5)
Polymorphic Sequence	TGGAGCAGAAGG TGGAGCTGGACT CCAGG[gap/TATC TGAGTG]CTGCGC TGAAGAAATACC AGACTGAGCAAA GGAG	CATACATAAACG GGCAAGATTCAG TCCCTGACCGCA Algap/GJGCA- CTTACAGTCTAG ACACAAAT ACACAAAT	ACCGCATCATGG AGGTCATCGATG[T/C]CATCACCAC CACTGCCCAGAG CCACC
Base pos. of SNP	0601	1529	1164
		cg43957213	cg44912878
SEQ ID	1, 2	3,4	5, 6

Therapeutic Area #2				
erapeutic Area	Metabolıc/endocrı ne/cardiovascular	Metabolic/endocri ne/cardiovascular	Metabolic/endocri ne/cardiovascular	Metabolic/endocri ne/cardiovascular
ap cation		21 n	2 (4q28) I	17
Allele Freq. (pred.)	good 7 of 20	good 4 of 8	9 of 30	44 of 1050
p value		3 30E-06	1 30E-06	1 70E-11
	iene SWISSPROT-ID P17858 6- IOFRUCTOKINASE, LIVER C 2 7 1 11) HOFRUCTOKINASE 1) HOHEXOKINASE) HOFRUCTO-1-KINASE IE B) - HOMO SAPIENS N), 780 aa	Human Gene SWISSPROT-ID P17858 6-PHOSPHOFRUCTOKINASE, LIVER TYPE (EC 2 7 1 11) (PHOSPHOFRUCTOKINASE 1) (PHOSPHOHEXOKINASE) (PHOSPHOFRUCTO-1-KINASE ISOZYME B) - HOMO SAPIENS (HUMAN), 780 aa	Human Gene Similar to SWISSPROT-ACC P07148 FATTY ACID-BINDING PROTEIN, LIVER (L-FABP) - Homo sapiens (Human), 127 aa	Calpactin
Protein classification of CuraGen gene		kınase	UNCLASSIFIE D	
Type of Change		CONSERV	CONSERV	CONSERV
Amino Acid after		Ser	Ala	Val
Amino Acid before		GC (10) Cys	E	Ala
Base			T (12)	T (14)
Base		G (9)	7C C(11)	gett C (13) sgg atg tgaa gga
Polymorphic Sequence	CT-A- TCCCTGGCCACC TG-CCAGGCCTCC CTC[G/C]GGCTGG TGTCTT-GAGA- CCA-GCCTG- CCA-GCCTG-	ATCATCCAGCTG GGCGGCACTATC ATTGGCAGCGCT CGCT[CG/GC]AAG GCCTTTACCACC AGGGAGGGGCG CCGGGCAGCGG	TTGAGTTCGGTC ACAGACTTGATG TTTTT-GA- AAG[C/T]TGTCAC CAGTTTATTGTCA CCTTCCAACTGA ACCACTGTCTTG	aaagtgggcttccagagctt cttttccctaattg[c/t]ggg cctcaccattgcatgcaatg actattttgtagtacacatgaa gcagaagggaaagaagta gg
Base pos. of SNP	3171	853	304	643
Sequence Calling Assembly	cg44912878	cg44912878	cg44921974	95124747
SEO ID		9, 10	11, 12	13, 14

THE GOAD OF THE WAY THE STAND STAND

Therapeutic Area #2			
Therapeutic Area	Metabolic/endocri ne/cardiovascular	Metabolic/endocri	Metabolic/endocri
Map Location	∞	2 (2p13)	2 (2p13)
Allele Freq. (pred.)	5 of 12	4 of 40	4 of 10
p value		3 10E-107	3 10E-107
Name of protein identified following a BLASTX analysis of the CuraGen sequence	Carbonic Anhydrase 3	Human Gene Homologous to SWISSPROT-ID P44708 GLUCOSAMINEFRUCTOSE-6- PHOSPHATE AMINOTRANSFERASE (ISOMERIZING) (EC 2 6 1 16) (HEXOSEPHOSPHATE AMINOTRANSFERASE) (D- FRUCTOSE-6- PHOSPHATE AMIDOTRANSFERASE) (GFAT) (L- GLUTAMINE-D-FRUCTOSE-6- PHOSPHATE AMIDOTRANSFERASE) (GLUCOSAMINE-6-PHOSPHATE SYNTHASE) - HAEMOPHILUS INFLUENZAE, 609 aa	Human Gene Homologous to SWISSPROT-ID P44708 GLUCOSAMINEFRUCTOSE-6- PHOSPHATE AMINOTRANSFERASE (ISOMERIZING) (EC 2 6 1 16) (HEXOSEPHOSPHATE AMINOTRANSFERASE) (D- FRUCTOSE-6- PHOSPHATE AMIDOTRANSFERASE) (GFAT) (L- GLUTAMINE-D-FRUCTOSE-6- PHOSPHATE AMIDOTRANSFERASE) (GLUCOSAMINE-6-PHOSPHATE SYNTHASE) - HAEMOPHILUS INFLUENZAE, 609 aa
Protein classification of CuraGen gene		synthase	synthase
Type of Change	CONSERV	Silent- Coding	3' UTR
Amino Acid after	Val		
Amino Acid before	Ile		
Base	G (16)	G (18)	T (20)
Base before	A (15)	L V (17)	G (19)
Polymorphic Sequence		AATTTGGG-TGGT-TGAAGGATCAC ATAAA-GGAGATCCAGA[A/G]A-TGCC-GGCGTTTGATTCT TATTGCTT	ATGTTGGGTATC CTAC- TACTTTGTGTTTT CATCTCCTAAAA GTG[G/T]TTTTA TTTCCTTGTATCT GTAGTCTTTTATT TTTTAAATGAC
Base pos. of SNP	751	1246	3084
Sequence Calling Assembly	88073933	cg43953338	cg43953338
SEQ ID		17, 18	19, 20

	111	#141. 13. 14.41.
	:45:	1 4 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	<u>.</u>	#***** #****** ******* ******
u G	1	
F	200000	W 10 W 10 W 11 W 10 W 10 W 10 W 10 W 10
	£1112	2 0 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	14:1:43	

	11.57	n Šii
	11750	už;
	(Barre	9 11 6 11 6 12 17 11 11 12 11
	£;	1.1
	£;	

	Therapeutic Area #2	Bone Disease		CNS Disorders	CNS Disorders	
	Therapeutic Area	Metabolic/endocri	Metabolic/endocri ne/cardiovascular	Metabolic/endocri ne/cardiovascular	Metabolic/endocri ne/cardiovascular	Metabolic/endocri ne/cardiovascular
	Map Location		=	20p12 1-13	20p12 1-13	0 17
	Allele Freq. (pred.)	4 of 19	4 of 55	2 of 16	3 of 9	184 of 350
	p value	1 80E-198				
	Name of protein identified following a BLASTX analysis of the CuraGen sequence	Human Gene SWISSPROT-ID P07221 CALSEQUESTRIN, SKELETAL MUSCLE ISOFORM PRECURSOR (ASPARTACTIN) (LAMININ- BINDING PROTEIN) - ORYCTOLAGUS CUNICULUS (RABBIT), 395 aa	Adrenomedullin	Prion protein (new variant)	Prion Protein (previously identified variant)	Calpactin
The state of the s	Protein classification of CuraGen gene	lamının	Secreted	Membrane protein	Membrane protein	
To the second se	Type of Change	CONSERV	NON- CONSERV ATIVE	NON- CONSERV ATIVE	Silent- Coding	NON- CONSERV ATIVE
	Amino Acid after		Lys	Ser		Glu
	Amino Acid before	W et	Asn	Pro		Lys
de Co	Base	G (22)	T (24)	T (26)	G (28)	C (30)
	Base		A (23)	C (25)	A (27)	A (29)
	Polymorphic Sequence		CCGCAGTTCCCT CTTCCCACGACT CAGAGCCCACTT[A/T]TTCCACTTCT TTCGAAACTCCG ACGCACATCCA ACGCACATCCA CAGC	CCTATTACCAGA GAGGATCGAGCA TGGTCCTCTTCTC C[C/T]CTCCACCT GTGATCCTCCTG ATCTCTTTCCTCA TCTTCCTGATAGT GGGATGA	GGTGCTGCAGCA GCTGGGGCCAGTG GTGGGGGCCCTT GGCGGCTA- C[A/G]TGCTGGGA AGTGCCATGAGC AGGCCCATCATA CATT	Atgccatctcaaatggaac acgccatggaaaccatgat gtttacatttcaca[a/c]attc gctggggataaaggctactt aacaaaggaggacctgaga gtactcatggaaaaggag
	Base pos. of SNP	1229	1303	3294	2968	304
	Sequence Calling Assembly	cg42930646	94842816	88048627	88048627	95124747
	SEO ID	21, 22	23, 24	25, 26	27, 28	29, 30

· · · · · · · · · · · · · · · · · · ·			T	
Therapeutic Area #2		Immunology	Immunology	
Therapeutic Area	Metabolic/endocri ne/cardiovascular	Metabolic/endocri Immunology ne/cardiovascular	Metabolic/endocri ne/cardiovascular	Metabolic/endocri
Map Location	17			8p12-21
Allele Freq. (pred.)	8 of 900	3 of 260	6 of 200	6 of 100
p value		2 20E-11	3 00E-10	8 50E-10
Name of protein identified following a BLASTX analysis of the CuraGen sequence	Calpactin	CD151	CD151	Clusterin/ApoJ
Protein classification of CuraGen gene				
<u> </u>	NON- CONSERV ATIVE	NON- CONSERV ATIVE	NON- CONSERV ATIVE	Silent- Coding
Amino Acid after	Asp	Тут	Pro	
Amino Acid before	Gly	Cys	His	
Base	A (32)	A (34)	C (36)	T (38)
Base before	G (31)	G (33)	a a a	C (37)
Polymorphic Sequence	Atgocatctcaaatggaac acgccatggaaaccatgat gtttacatttcacaaattcgct gggataaag[g/a]ctactt aacaaaggaggacctgaga gtactcatggaaaaggag	gcccaggatgggtgagtt caacgagaagaagacaac atgtggcaccgttt[g/a]cct caagtacctgctgtttaccta caattgctgcttctggctggc tgg	tgtgaccagogctgtggacc agctgcagcaggagttcc[a /e]ctgctgtggcagcaaca actcacaggactggcgaga cagtgagtggatccg	TAC-G-AGAAGG- CGAC-G-ATG-A- CCGG- ACTGTGTGCCGG G-AG-A-T- CCG[C/T]CACAA- CT-CCACGGG- CTGCC-T-GCGGA- T-G-AA-GG-ACCA- GTG-T-G-AC
Base pos. of SNP	331	300	596	1446
Sequence Calling Assembly		91234048	91234048	94218949
SEQ 1D	31, 32	33, 34	35, 36	37, 38

Therapeutic Area			= .
Therapeutic Area	Metabolic/endocri	Metabolic/endocri ne/cardiovascular	Metabolic/endocri ne/cardiovascular
Map Location	12q24 1		20
Allele Freq. (pred.)	3 of 130	5 of 600	24 of 120
p value	8 00E-14	5 60E-08	2 10E-14
Name of protein identified following a BLASTX analysis of the CuraGen sequence	Serc.A1	Valosin-containing protein	Glycogen Phosphorylase Muscle
Protein classification of CuraGen gene			
Type of Change	NON- CONSERV ATIVE	NON- CONSERV ATIVE	NON- CONSERV ATIVE
Amino Acid after		Ser	Ser
Amino Acid before	Met	Ala	Ala
Base	G (40)	T (42)	T (44)
Base	/5	ag G (41) act	G 7 7 7 G (43)
Polymorphic Sequence	GTCAA-TGTCGG- TTTAC-TG- TACACCA-AA- TAAA-CCA- AGCAGG-AC- ATCAA-TGAGC- AAG[A/G]T- GTTTGTGAA-GGG TG-CTCC-TG-AA- GG-TG-TCA- TTGACA-GG-T- GCACCC-A-CA- TTCGA-G-TT	gatgacattggtggctgcag gaagcagcta[g/t]ctcag ataaaggagatggtggaact gccctgagacatctgccc tcttaaggcaattgg	AA-TG-ATAAC-TT-G (43) C-TTTGA-GGGG- AA-GG-A-GCTG-C- GG-AGT-ACTT-C- GG-AGT-ACTT-C- G-T-GGTGG- CC[G/T]CCA- CGCT-C-C-AGGAC- AT-C-AT-CCGC-C- G-C-TTCAAG- TTCGG-CTG- CCGGGA-CCC-TG
Base pos. of SNP	1876	1132	1232
Sequence Calling Assembly	95351416	97873686	95292679
SEQ ID	39, 40	41, 42	43, 44

rea				
Therapeutic Area #2			Immunology	
erapeutic Area	Metabolic/endocri	Metabolic/endocri	Metabolic/endocri ne/cardiovascular	Metabolic/endocri
Map Th		3927 n	2 :	20 r.
		7 of 45	91 of 250	5 of 50
p value	6 50E-17		0 23	
Name of protein identified following a BLASTX analysis of the CuraGen sequence	Pyruvate dehydrogenase kınase-lıke protein	Galactosidase sialotransferase	CD151	Rab5-interacting protein
Protein classification of CuraGen gene				
Type of Change	Silent- Coding	SILENT NONCODI NG	Silent- Coding	SILENT NONCODI NG
Amino Acid after				
Amino Acid before				
Base after	C (46)	C (48)	A (50)	G (52)
Base before	A (45)	T (47)	T (49)	C(51)
Polymorphic Sequence	TGATGGATAATT CCCGGAATGCTC CTTTGGCTGGTTT TGGTTACGGCTT GCCAATTTCTCGT CTGTATGC[A/C]A AGTAC-TTTCAA- GGAGATCT-GAAT CTC-TACTC- TTTAT-C-AGGA- TATGG-AACAGA- TGCTAT	CT- GGACCTGATTT- CC- TGACCACAGGC- TCTTGAAG[T/C]- CCCCATGGT- CTTGCTGAC-AGA- GG- CCCCTAGAGTAA AAGGAGC	ggggagcttctgtccacctg tcctgcagaggagtcgtttc cagcccggc[Va]gcccca ggatgggtgagttcaacga gaagaagacaacatgtggc accgttt	ATTAAAGATTTG ATTTATTCAAGTA TGTGAAAACATT CTACAATGGAAA CT[C/G]TTATTAG ATGCTGCATGTA CTGTGCTATGGA- CCAC-GCACAT- ACAGCC- ATGCTGTTTC- AGAAGAC
Base pos. of SNP	1353	2804	227	84
	91231553	95108682	91234048	94131544
SEQ ID	45, 46	47, 48	49, 50	51, 52

The state of many name rapes in green and TABLES of the state state of the state sta

Therapeutic Area #2		Renal Diseae		
Therapeutic Area #1	Metabolic/endocri	Metabolic/endocri	Metabolic/endocri ne/cardiovascular	Metabolic/endocri ne/cardiovascular
Map Location	a. n	9p13	1p31 1-31 3	19q13.2
Allele Freq. (pred.)	3 of 12	9 of 30	4 of 11	25 of 90
p value	_1.244.44.4.4.4.4.4		D.	
Name of protein identified following a BLASTX analysis of the CuraGen sequence	Adipocyte-specific protein	Valosın-contamıng protein	Medium Chain Acyl Coa Dehydrogenase	Creatine Kinase Muscle
Protein classification of CuraGen gene				
Type of Change	SILENT NONCODI NG	SILENT NONCODI NG	SILENT NONCODI NG	SILENT NONCODI NG
Amino Acid after				
Amino Acid before		6	66	(09)
Base after	3) C (54)	T (56)	C (58)	(60) gap
Base		CTC G (55) F. T.	AA T (57) TAT TCT TGT CTC TTTT TAA TAA	ttattta C (59) ggaga ggagt catta
Polymorphic Sequence	CACCTC-CCT- CACCACAGGA CCCTGAGT- GAGGA- GGAGGGGCTGGA AACCTGGGCTGGA GGGTTGGCCAAA GGAGAACCTCAG GCTCCTGGCCTG GCCCAGCTCCTT CCTGCCCAAGGT AGCTTAGCCCAT CCTGCCCAT	CACAGCCTGCTC CATICICCAG- TCTGAACAGTTC AGCTA- CAGTCTGACTCT GGACA- GGG[G/T]GTTT- CTGTTGC- AAAAATACAAAA CAAAAGGCATAA AATAAAAG- CGATTTTCATTT	AGCTTGCCTTAA ATTATTTTTATAT GACTGTTGGTCT CTAGGTAGCC- TTTGGTCTATTGT ACACAA[T/C]CTC ATTTCATATTGGCAA AGAACTTAATAA AGAACTTAATAA AATTGTTCAGTG	aaggecaccatgettttattta tegetttg[c/gap]tggaga caaageacaageteegagt gtgetgggageteteeatta actagag
Base pos. of SNP	606	3429	2183	3121
Sequence Calling Assembly	95343665	97873686	97978029	95289295
or Oas	53, 54	55, 56	57, 58	59, 60

Therapeutic Area				
Therapentic Area #1	Metabolic/endocn ne/cardiovascular	Metabolic/endocri ne/cardiovascular	Metabolic/endocri ne/cardiovascular	Metabolic/endocri ne/cardiovascular
Map Location	5 (5q35 2)	6 (6p21 1)	10 (10p15 3)	10 (10p153)
Allele Freq. (pred.)			4bp deletion, 8 of 60	27 of75
p value	4 10E-39	0	Q	Q
Name of protein identified following a BLASTX analysis of the CuraGen sequence	Human Gene Similar to SWISSNEW- ID P17709 GLUCOKINASE (EC 27 1 2) (GLUCOSE KINASE) (GLK) - SACCHAROMYCES CEREVISIAE (BAKER'S YEAST), 500 aa pcls SWISSPROT-ID P17709 GLUCOKINASE (EC 2 7 1 2) (GLUCOSE KINASE) (GLK) - SACCHAROMYCES CEREVISIAE (BAKER'S YEAST), 500 aa	Human Gene SWISSPROT-ID Q13608 PEROXISOME ASSEMBLY FACTOR- 2 (PAF-2) (PEROXISOMAL-TYPE ATPASE 1) (PEROXIN-6) - HOMO SAPIENS (HUMAN), 980 aa	Human Gene SWISSPROT-ID Q01813 6 PHOSPHOFRUCTOKINASE, TYPE C (EC 2 7 1 11) (PHOSPHOFRUCTOKINASE 1) (PHOSPHOFRUCTO-1-KINASE) ISOZYME C) (6- PHOSPHOFRUCTO-1-KINASE, PHOSPHOFRUCTOKINASE, PHOSPHOFRUCTOKINASE, PHOSPHOFRUCTOKINASE, PLATELET TYPE) - HOMO SAPIENS (HUMAN), 784 aa	Human Gene SWISSPROT-JD Q01813 6 PHOSPHOFRUCTOKINASE, TYPE C (EC 2 7 1 11) (PHOSPHOFRUCTOKINASE 1) (PHOSPHOHEXOKINASE) (PHOSPHOFRUCTO-1-KINASE ISOZYME C) (6- PHOSPHOFRUCTOKINASE, PHOSPHOFRUCTOKINASE, PLATELET TYPE) - HOMO SAPIENS (HUMAN), 784 aa
Protein classification of CuraGen gene	kınase	ATPase_associa	kınase	kınase
Type of Change		SILENT- NONCODI NG	SILENT- NONCODI NG	SILENT- NONCODI NG
Amino Acid after				
Amino Acid before				
Base after	T (62)	gap (64)	(66) gap (66)	G (68)
Base	C (61)	G (63)	AATT (65) gap (66)	A (67)
Polymorphic Sequence	GGGAGTG GGGAGCT GTGGCTG CTGGCTG CG	GGCGCCTAGGTT GTGTTGAGAGGG GGATGCCCCTG[G /gap]CCCTGCCTC ACTGTGACCTG- CTCCTGCCCACG- TGC	GGAGTCATAGGC AAATGTTTAAT- T[AATT/gap]CTGC T-CA-TATGCAC- ATCTGAAAGC- ATGA	ATGAGACACA- CTCC- ACAGACAGCACG CACTGG-[A/G]G- CTGGTGG- GGCAGATGGGCA CTCGCCGATTAG GT
Base pos. of SNP	955	21	75	142
Sequence Calling Assembly	cg42709360	cg43920091	cg44913012	cg44913012
SEQ ID	61, 62	63, 64	65, 66	67, 68

GIC
210
GIC.

The graph of winds of the state of the state

Therapeutic Area #2	Renal Disease			CNS Disorders
erapeutic Area	Metabolic/endocri Renne/cardiovascular	Metabolic/endocri ne/cardiovascular	Metabolic/endocri ne/cardiovascular	Metabolic/endocri CN
Map Th		<u> </u>	22 n	6q13-15 n
Allele Freq. [7]	46 of 200	2 of 150	4bp insertion polymorph ism 3 of 10	2 of 130
p value		1 60E-07	4 10E-254	
Name of protein identified following a BLASTX analysis of the CuraGen sequence	sgk	hpocortin 1	Human Gene SWISSPROT-ID Q07869 PEROXISOME PROLIFERATOR ACTIVATED RECEPTOR ALPHA (PPAR-ALPHA) - HOMO SAPIENS (HUMAN), 468 aa pcls SPTREMBL- ID Q16241 PEROXISOME PROLIFERATOR ACTIVATED RECEPTOR ALPHA - HOMO SAPIENS (HUMAN), 468 aa (fragment)	Acyl CoA Bındıng Protein
Protein classification of CuraGen gene			nucl_recpt	Peptide hormone
Type of Change	. 5	Termination	Frameshift	NON- CONSERV ATIVE
Amino Acid after	•	STOP		Asn
Amino Acid before		Glu		Lys
Base after	gap (78)	T(80)	GTAG (82)	A (84)
Base	A (77)	C (19)	gap (81)	T (83)
Polymorphic E Sequence b	CAATAC ATTA- AATG-C- VAAAA[N/ AAATAAT TTT-A- TTT-A- AC-AA- AA-C- SGG	AAAGGTGTGGAT (G-AAGCAACCAT-CATTGACA-TTCTA-ACTA-AG-CGAAACATGCA-TCAACA-GATCAAAGCAGCACATGCA-TCAAAGCAGCACATCAAAGCAGCACATC-T-CC	AGAAACAA- ATGCCAG-TATTG- TC-GATIT- CACAAGTGCCTT TCTGTCGGGATG TCACACACG[ga p/GTAG]CGATTCG TTTTGGACGAA- TGCCAAGATCTG AGAAAGCAAAAC TGCAAAAGCAAAAAC	CGAT-GG-CT-T-GG-TCTT-A-A-CCTCCTCT-A-CCTCCTCT-CCTCAAC-T-CAG-CCTGAGA-CTCAAGA-CATCCT-GG-C-CGACAGACT-CCA
Base pos. of SNP	1	445	805	775
Sequence Calling Assembly	95072341	95308696	cg43064060	cg106711057
SEO ID	77, 78	79, 80	81, 82	83, 84

	CNS Disorders	Oncology	Oncology
Therapeutic Area #1	Metabolic/endocri	Metabolic/endocri	Metabolic/endocri
Map Location	6q13-1 <i>5</i>	6p24 1-25 3	6p24 1-25 3
Allele Freq. (pred.)	3 of 180	10 of 60	3 of 200
p value			
Name of protein identified following a BLASTX analysis of the CuraGen sequence	Acyl CoA Binding Protein	DBI-related Protein	DBI-related Protein
Protein classification of CuraGen gene	Peptide hormone	Peptide hormone	Peptide hormone
Type of Change	RV	Conservativ	NON- CONSERV ATIVE
Amino Acid after		<u>u</u>	Tyr
Amino Acid before	Тут	Met	ζζ
Base	T (86)	A (88)	G (90)
Base before	C (85)	· G (87)	A (89)
Polymorphic Sequence	AAGGCATTGTC- TC-AG-TTTAGG- ATAAACACATGG CACAGTAA-CC- AAATCCAG- TCTCT- CATATCCCG[C/T] ATTTTTTCTTTAG CTCTTCTACTTTAG TTGATGTAAG	TTCAGCT-GCACA- TGAATAGAACAG CAAT-G-AGA- GCCAGTCAGAA- GG-ACTTTGAAAA TTCAAT[G/A] AATCAAGT- GAAAAA-GGAT- CCAGGAAA- CCAGGAAA- CCAGGAAA- CCAGGAAA- CCAGGAAC CCAGGAAC CCAGGAAC CCAGGAAC CCAGGAAC CCAGGAAC CCAGGAAC CCAGGAAC CCAGGAC CCAGGAC CCAGGAC CCAGGAC CCAGGAC CCAGGAC CCAGGAC CCAGGCC CCAGGCC	G-CTGCC-AG-C- AA-GG-ATG-A- CTCAAT- CATCACTG-TTTT- AAC-AGG-AA-A- TGGTGA-CT[A/G] TT-ACA-G-TA-G-T- G-GGAA-TGA-T- CTG-A-CTAAC-T-T C-AC-TG-ATA-TT- CC-CC-C-T-G-GT- GG-AG-T-AG-AG- GAG
Base pos. of SNP		170	741
Sequence Calling Assembly	cg106711057	cg108881866	cg108881866
SEQ ID		87, 88	89, 90

	Oncology	Oncology
Therapeutic Area #1	Metabolıc/endocrı ne/cardıovascular	Metabolic/endocri
Map Location	6p24 1-25 3	6p24 1-25 3
Allele Freq. (pred.)	3 of 200	8 of 50
p value		
Name of protein identified following a BLASTX analysis of the CuraGen sequence	DBI-related Protein	DBI-related Protein
Protein classification of CuraGen gene	Peptide hormone	Peptide
Type of Change	NON- CONSERV ATIVE	Conservativ
Amino Acid after		Ala
Amino Acid before	Asn	Val
Base	6	T (94)
Base		C (93)
Polymorphic Sequence	ATA-TT-CC-CC-C- T-G-GT-GG-AG-T- AAAG-CTA- AAAATA[A/G] TG- CC-GT-TTTA-C- TGAGGGAA-T-TT- GT- GGCTGTTTTAT AGATTTT	C-AC-TTTT-C-AG- AAAGAAG- CCAGGC-T-GAA- GGCA-TTTGC- AAAGCTT CCCCC-AAAT- G[C/T] CTTG-AG- AATTT-C-AAAAG- AATTT-C-AAAAG- AAAAAG- AGG-TAAT-CA- GG-AAAAG- AGAAAG- CCCCC-AAAT- CCCCC-AAAT- CCCCC-AAAT- CCCCC-AAAT- CCCCC-AAAT- CCCCC-AAAT- CCCCC-AAAT- CCCCC-AAAT- AAAAAG- AAAAAG- AAAAAG- AAAAAG- CCAAT-G-T-CC- TTCAG
Base pos. of SNP	158	1309
Sequence Calling Assembly	cg108881866	cg108881866
SEO ID	91, 92	93, 94

Oncology	
Metabolic/endocri	
6p24 1-25 3	
2 of 40	
DBI-related Protein	
NON- CONSERV ATIVE	
(96) D	
C (65)	_
AATTT-C-AAAAG AGG-TAAT-CA- GG-AAAAG- AGAGAG-A-G- AAAAACTACAC- GCT-GTT-AATG-C TGA- AGATG[T/G] AAT-G-T-CC- TCAG-GG- AAGATGGG- AAGATGGG- TCAAA- TGCACAAAT- GCTGTGGTG- AACTT-CTTAT- CCAGAAAA- TCAAA	
95, 96	
	Assembly SNY Superext Assembly SNY Superext Assembly SNY Superext Assembly SNY Superext Superex